

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION  
AM BROADCAST STATION LICENSE

File No. : BZ-941028AB

Call Sign : KMA

LICENSEE:

KMA Broadcasting L.P.

1. Community of License. . . : Shenandoah, Iowa
2. Transmitter location. . . . : On Hwy. 48, 0.6 miles  
North of Town near  
Shenandoah, Iowa

North Latitude. . . . . : 40° 46' 48"  
West Longitude. . . . . : 95° 21' 23"

6. Antenna and ground system:  
Attached

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs:

North & South towers - None  
Center Tower - 1, 3, 4, 13 & 21.

8. Frequency. . . . . : 960 kHz

9. Nominal power (kW). . . . . : 5.0 Day

5.0 Night

Antenna input power (kW) :

5.0 Day

☒ Non-directional antenna: current

3.4 amperes: resistance 433 ohms.

☐ Directional antenna :

5.4 Night

☐ Non-directional antenna: current

10.4 amperes: resistance 50 ohms.

☒ Directional antenna :

10. Hours of operation : BP-13317

11. Conditions. . . . . : --

Subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts, Treaties, and Commission rules made thereunder, and further subject to conditions set forth in this license,<sup>1</sup> the LICENSEE is hereby authorized to use and operate the radio transmitting apparatus herein described for the purpose of broadcasting for the term ending 3 A.M. Local Time

February 1, 1997

The Commission reserves the right during said license period of terminating this license or making effective any change, or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period.

The license is issued on the licensee's representation that the statements contained in the licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This license is subject to the right of control by the Government of the United States conferred by section 606 of the Communications Act of 1934, as amended.

EAL:rao

FEDERAL  
COMMUNICATIONS  
COMMISSION



<sup>1</sup> This license consists of this page and pages 2 & 3

Dated: 1997 1 1

File No.: BZ-941028AB

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1. **DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

**No. and Type of Elements:** Three uniform cross-section, guyed, series-excited, steel towers, the North and South towers are top-loaded by 38.11 m section of the top three guy wires. Theoretical RMS: 730.87 mV/m/km, night; Augmented RMS: 793.105 mV/m/km, night.  $Q = 51.49$ .

<b>Height above Insulators:</b>	<u>Center</u>	<u>North and South</u>
	146.34 m (163.6°)	73.17 m (84.3°)

<b>Overall Height:</b>	148.78 m	75.61 m
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**Spacing and Orientation:** Spaced 60.67 m (69.9°) between towers on a line bearing 187° True.

**Non-Directional Antenna:** Tower 2, Center (366.93 mV/m/kw/km)

**Ground System consists of** 120-121.95 m equally spaced buried copper radials plus 14.63 m ground screen about the base of the center tower. 120-77.74 m equally spaced buried copper radials plus a 9.76 m square copper ground screen about the base of the North and South Towers.

2. **THEORETICAL SPECIFICATIONS**

<b>Towers:</b>	South(#1))	Center(#2)	North (#3)
<b>Phasing:</b>	162°	3.97°	-162°
<b>Field Ratio:</b>	1.0	1.735	1.0

3. **OPERATING SPECIFICATIONS**

<b>Phase Indication*:</b>	-73°	0°	-133°
<b>Antenna Base</b>			
<b>Current Ratio:</b>	2.238	1.00	2.333
<b>Antenna Monitor Sample</b>			
<b>Current Ratio:</b>	0.785	1.00	0.815

\* As indicated by Potomac Instruments AM-19 (204) Antenna Monitor.  
Antenna sampling system approved under Section 73.68 (b) of the Rules.

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North of Town near  
Shenandoah, Iowa

North Latitude. .... : 40° 46' 48"  
West Longitude. .... : 95° 21' 23"

6. Antenna and ground system:  
Attached

3. Transmitter(s): Type Accepted. See Sections 73.1660,  
73.1665 and 73.1670 of the Commission's rules)

4. Main Studio Location: (See Section 73.1125)  
Lowell & Elm Streets  
Shenandoah, Iowa

5. Remote control location  
Lowell & Elm Streets  
Shenandoah, Iowa

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: North & South towers - None  
Center Tower - 1, 3, 4, 13 & 21.
8. Frequency. .... : 960 kHz
9. Nominal power (kW). .... : 5.0 Day 5.0 Night
- Antenna input power (kW) :
- 5.0 Day ☒ Non-directional antenna: current 3.4 amperes: resistance 433 ohms.  
☐ Directional antenna :
- 5.4 Night ☐ Non-directional antenna: current 10.4 amperes: resistance 50 ohms.  
☒ Directional antenna :
10. Hours of operation : BP-13317
11. Conditions. .... : --

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February 1, 1997

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This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This license is subject to the right of control by the Government of the United States conferred by section 606 of the Communications Act of 1934, as amended.

EAL:rao

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COMMUNICATIONS  
COMMISSION



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Dated: 1997 1 19

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

File No. BS-3878

Call Sign K M A

Modification No.

MODIFICATION OF LICENSE

AM

(Class of station)

Licensee: MAY BROADCASTING COMPANY

Station location: SHENANDOAH, IOWA

Associated Broadcast Station:

BR-531

The Authority Contained in Authorization File No. BRC-3878 dated 3-9-77  
granted to the Licensee listed above is hereby modified in part as follows:

The Obstruction lighting and marking requirements are hereby modified as follows:

North & South Towers - No Marking or lighting required;  
Center Tower - Paras. #1, 3, 4, 13 & 21.

This modification of license shall be attached to and be made a part of the license of this station.

Except as herein expressly modified, the above-mentioned license, subject to all modifications heretofore granted by the Commission, is to continue in full force and effect in accordance with the terms and conditions thereof and for the period therein specified.

Dated: September 1, 1982

KJ

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COMMUNICATIONS  
COMMISSION



Nothing contained herein shall be construed as a finding by the Commission on the question of marking or lighting of the antenna system should future conditions require. The licensee expressly agrees to install such marking or lighting as the Commission may hereafter require under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

FCC-WASHINGTON, D.C.

LICENSE RENEWAL AUTHORIZATION

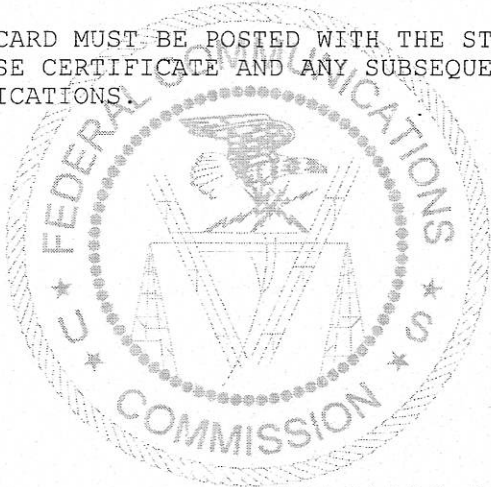
THIS IS TO NOTIFY YOU THAT YOUR APPLICATION  
FOR RENEWAL OF LICENSE, BR-20120926AGF, WAS  
GRANTED ON 01/25/2013 FOR A TERM EXPIRING ON  
02/01/2021.

THIS IS YOUR LICENSE RENEWAL AUTHORIZATION  
FOR STATION KMA.

FACILITY ID: 35107

LOCATION: SHENANDOAH, IA

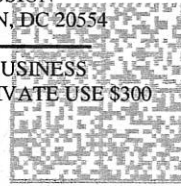
THIS CARD MUST BE POSTED WITH THE STATION'S  
LICENSE CERTIFICATE AND ANY SUBSEQUENT  
MODIFICATIONS.



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FEDERAL COMMUNICATIONS  
COMMISSION  
WASHINGTON, DC 20554

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE \$300



Hasler

016H26513110

\$00.450

01/25/2013

Mailed From 20743

US POSTAGE

KMA BROADCASTING L.P.  
209 NORTH ELM STREET  
SHENANDOAH, IA 51601

FCC 372B (02/00) NOTIFICATION

